Claims

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- 1. A method of writing information to a storage device, the method, implemented in the storage device comprising:
- receiving a dual write command to write information to the storage device; determining two locations to write the information;

performing a single reading of the information to be written into a read buffer; and

writing the information to both of the two locations based on the single reading of the information.

- 2. The method of claim 1 wherein the at least one location is determined based on an address spread within the dual write command.
- The method of claim 1 wherein the read buffer of the storage device is not cleared between the writing of the information to both of the two locations.
 - 4. The method of claim 3 wherein the information to be read is associated with a bit flag designating a dual write operation.
 - 5. The method of claim 3 wherein the information to be read is proceeded by a file header designating a dual write operation.
- 6. The method of claim 3 wherein one of the two locations is within a reserve area of the storage device.
 - 7. The method of claim 6 wherein the reserve area is not accessible to a user.
- 8. The method of claim 1 wherein the two locations are determined based upon a percentage of an address size of the storage device.

- 9. The method of claim 3 wherein the storage device comprises a disk drive.
- 10. The method of claim 1 wherein the dual write command is a hard drive firmware command.

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- 11. The method of claim 1 wherein the two locations comprise a first location and a second location based, the second location being upon a calculation performed on the first location.
- 10 12. The method of claim 1 wherein the information is written to both of the locations during a same write cycle.
 - 13. The method of claim 1 wherein writing the information to both locations comprises writing the information to a plurality of locations comprising both locations and at least one additional location.
 - 14. A method of writing information to a disk drive storage device, the method comprising:

receiving a command to write information to the storage device;

determining if the command is a dual write command;

if the command is a dual write command:

determining two locations to write the information;

reading the information to be written into a read buffer; and

writing the information to both of the two locations based up a single reading of

- 25 the information.
 - 15. The method of claim 14 wherein the locations are determined based on an address spread within the dual write command.
- 16. The method of claim 14 wherein a read buffer of the storage device is not cleared between the writing of information to both of the two locations.

- 17. The method of claim 14 wherein one location is within a reserve area of the storage device which is not accessible to a user.
- The method of claim 14 wherein the locations are determined as a percentage of the address size of the storage device.
 - 19. The method of claim 14 wherein data is first written into a location having a lower address than the location at which the data is written a second time.

20. A method of causing a disk drive to write information on storage within the disk drive, the method comprising:

identifying data to be written to two different locations on the disk drive; generating a command including an identification of the data, a dual write option, and an indication of an offset; and

sending the command to the disk drive.

- 21. The method of claim 20 wherein a read buffer of the storage device is not cleared between the writing of information to both locations.
- 22. The method of claim 20 wherein one location is within a reserve area of the storage device which is not accessible to a user.
- 23. A disk drive having storage media, the disk drive comprising:
 25 means for receiving commands related to writing data;
 a controller for processing the received commands;
 means for reading data to be written; and
 means for writing the same data to two different locations on the storage media
 based on the received commands while only reading the data once.

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- 24. The disk drive of claim 23 wherein the controller comprises an ATA (Advanced Technology Attachment) controller.
- 25. A method of causing a disk drive to write information on storage within the disk drive, the method comprising:

identifying data to be written to two different locations on the disk drive; generating a code selected from the group consisting of set double write, set address spread and clear double write; and sending the code to the disk drive.

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- 26. The method of claim 25 wherein multiple codes are sent to the disk drive to control the disk drive to write data to two different locations on the disk drive.
- 27. The method of claim 25 wherein the set double write code commands the diskdrive to write following data to two different locations.
 - 28. The method of claim 27 wherein the set address spread code identifies the different between addresses where the data is to be written twice.
- 29. The method of claim 27 wherein the clear double write code causes the disk drive to return to a single location writing state.